

FORM PTO-1449				Page 1 of 8			
FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT			ATTORNEY DOCKET NO. 581.0580000/RWE/ALS		APPLICATION NO. 09/529,130		
FIRST NAMED INVENTOR Michael John Duggan			35 U.S.C. § 371 Date June 22, 2000		ART UNIT 1653		
PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
CMK	AC1	5,433,946	07/18/1995	Allen, Jr. et al.			
CMK	AD1	6,235,313	05/22/2001	Mathiowitz et al.			
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
CMK	AO3	EP 0 602 686 A2	06/22/1994	Europe			English Abstract Yes No
CMK	AP3	WO 00/57897	10/05/2000	WIPO			Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
CMK	AR	10	Diaz, A. and Dickenson, A.H., "Blockade of spinal N- and P-type, but not L-type, calcium channels inhibits the excitability of rat dorsal horn neurones produced by subcutaneous formalin inflammation," <i>Pain</i> 69:93-100, Elsevier Science Ireland Ltd. (January 1997)				
	AS	10	Edmonds, B.T. and Koenig, E., "Transmembrane Cytoskeletal Modulation in Preterminal Growing Axons: I. Arrest of Bulk and Organelle Transport in Goldfish Retinal Ganglion Cell Axons Regenerating In Vitro by Lectins Binding to Sialoglycoconjugates," <i>Cell Motil. Cytoskeleton</i> 17:106-117, Wiley-Liss, Inc. (1990)				
CMK	AT	10	Edmonds, B.T. and Koenig, E., "Transmembrane cytoskeletal modulation in preterminal growing axons. II. <i>Limax flavus</i> agglutinin-induced receptor redistribution, capping and internalization in varicosities of growing axons," <i>J. Neurocytol.</i> 20:232-247, Chapman and Hall Ltd. (1991)				
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CRK	AR	11	Garber, N., <i>et al.</i> , "On the specificity of the D-galactose-binding lectin (PA-I) of <i>Pseudomonas aeruginosa</i> and its strong binding to hydrophobic derivatives of D-galactose and thiogalactose," <i>Biochim. Et Biophys. Acta</i> 1116:331-333, Elsevier Science Publishers B.V. (1992)
CRK	AS	11	Garret, C., <i>et al.</i> , "Pharmacological properties of a potent and selective nonpeptide substance P antagonist," <i>Proc. Natl. Acad. Sci. USA</i> 88:10208-10212, National Academy of Sciences (1991)
CRK	AT	11	Gupta, D., <i>et al.</i> , "Differences in the Cross-Linking Activities of Native and Recombinant <i>Erythrina corallodendron</i> Lectin with Asialofetuin. Evidence for Carbohydrate-Carbohydrate Interactions in Lectin-Glycoprotein Complexes," <i>Biochem.</i> 33:2503-2508, American Chemical Society (1994)

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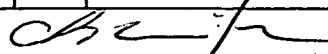
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CYK	AR	12	Heilman, R.D., <i>et al.</i> , "An Evaluation of the Hot Plate Technique to Study Narcotic Antagonists," <i>Res. Commun. Chem. Pathol. Pharmacol.</i> 13:635-647, PJD Publications Ltd. (1976)
	AS	12	Iglesias, J.L., <i>et al.</i> , "Purification and Properties of a D-Galactose/N-Acetyl-D-galactosamine-Specific Lectin from <i>Erythrina cristagalli</i> ," <i>Eur. J. Biochem.</i> 123:247-252, Blackwell Science Ltd. (1982)
CYK	AT	12	Lembeck, F. and Holzer, P., "Substance P as Neurogenic Mediator of Antidromic Vasodilation and Neurogenic Plasma Extravasation," <i>Naunyn-Schmied. Arch. Pharmacol.</i> 310:175-183, Springer-Verlag (1979)

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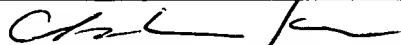
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CMK	AR	13	Lis, H. and Sharon, N., "Lectins as Molecules and as Tools," <i>Ann. Rev. Biochem.</i> 55:35-67, Annual Reviews, Inc. (1986)
/	AS	13	Pintér, E., <i>et al.</i> , "Lack of evidence for tachykinin NK ₁ receptor-mediated neutrophil accumulation in the rat cutaneous microvasculature by thermal injury," <i>Eur. J. Pharmacol.</i> 369:91-98, Elsevier Science B.V. (March 1999)
CMK	AT	13	Silverman, J.D. and Kruger, L., "Selective neuronal glycoconjugate expression in sensory and autonomic ganglia: relation of lectin reactivity to peptide and enzyme markers," <i>J. Neurocytol.</i> 19:789-801, Chapman and Hall Ltd. (1990)

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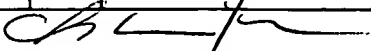
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CMK	AR	14	Sharon, N. and Lis, H., "Legume lectins - a large family of homologous proteins," <i>FASEB J.</i> 4:3198-3208, The Federation of American Societies for Experimental Biology (1990)
	AS	14	Welch, M. and Foster, K., "Chapter 26. Cell Culture of Neurons of the Peripheral Nervous System of Birds and Mammals," in: <i>The Neuron in Tissue Culture</i> , Haynes, L.W., ed., John Wiley & Sons Ltd., New York, N.Y. pp-389-393 (December 1999)
CMK	AT	14	Zambenedetti, P., <i>et al.</i> , "Identification of lectin binding sites in the rat brain," <i>Glycoconj. J.</i> 13:341-346, Chapman & Hall (June 1996)

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CMK	AR	15	Zhou, L., <i>et al.</i> , "Expression and Purification of the Light Chain of Botulinum Neurotoxin A: A Single Mutation Abolishes Its Cleavage of SNAP-25 and Neurotoxicity after Reconstitution with the Heavy Chain," <i>Biochem.</i> 34:15175-15181, American Chemical Society (1995)
/	AS	15	Esp@cenet Database 12, English language abstract of European Patent No. 0 602 686 A2 (Document AO3)
CMK	AT	15	Audet, M.A., Office Communication for United States Patent Application No. 09/937,484, 12 pages, United States Patent and Trademark Office (mailed January 29, 2004)

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CMK	AR	16	Schwartz, A.L., filing for United States Patent Application No. 09/937,484, 4 pages; "Reply to Restriction Requirement" (filed February 27, 2004)
/	AS	16	Audet, M.A., Office Communication for United States Patent Application No. 09/937,484, 16 pages, United States Patent and Trademark Office (mailed June 21, 2004)
CMK	AT	16	Schwartz, A.L., filing for United States Patent Application No. 09/937,484, 14 pages, "Petition to the Director Under 37 C.F.R. §§ 1.144 and 1.181 to Withdraw Final Restriction Requirement" (filed August 17, 2004)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>CMK</i>	AR	<u>17</u>	Schwartz, A.L., filing for United States Patent Application No. 09/937,484, 25 pages with Exhibits A-D, "Amendment and Reply Under 37 C.F.R. § 1.111" (filed September 21, 2004)
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	AT		

EXAMINER <i>CBL</i>	DATE CONSIDERED <i>5/5/05</i>
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FORM PTO-1449

SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENTATTY. DOCKET NO.
1581.0580000/RWE/ALSAPPLICATION NO.
09/529,130FIRST NAMED INVENTOR
Michael John Duggan§ 371 DATE
June 22, 2000ART UNIT
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
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	AD						
CMK	AE1	6,395,513 B1	05/28/2002	Foster <i>et al.</i>			
	AF1	6,461,617 B1	10/08/2002	Shone <i>et al.</i>			
	AG1	6,632,440 B1	10/14/2003	Quinn <i>et al.</i>			
	AH1	2003/0147895 A1	08/07/2003	Shone <i>et al.</i>			
	AI1	2003/0166238 A1	09/04/2003	Shone <i>et al.</i>			
	AJ1	2004/0071736 A1	04/15/2004	Quinn <i>et al.</i>			
CMK	AK1	2003/0049264 A1	03/13/2003	Foster <i>et al.</i>			

FOREIGN PATENT DOCUMENTS

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

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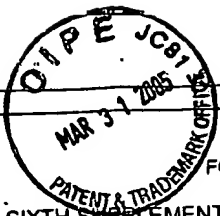
	AR		
CMK	AS	17	Copy of application and Prosecution History for "Recombinant Toxin Fragments," Shone <i>et al.</i> , U.S. Application No. 09/255,829, filed February 23, 1999
CMK	AT	17	Copy of Application and Prosecution History for "Methods and Compounds for the Treatment of Mucus Hypersecretion," Quinn <i>et al.</i> , U.S. Application No. 09/763,669, with a §371 date May 29, 2001

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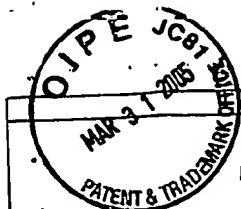
CMK	AR	18	Copy of Application and Prosecution History for "Delivery of Superoxide Dismutase to Neuronal Cells," Shone <i>et al.</i> , U.S. Application No. 09/831,050, with a §371 date of August 20, 2001
	AS	18	Copy of Application and Prosecution History for "Constructs for Delivery of Therapeutics Agents to Neuronal Cells," Shone <i>et al.</i> , U.S. Application No. 10/130,973, with a §371 date of June 25, 2002
CMK	AT	18	Copy of Application and Prosecution History for "Recombinant Toxin Fragments," Shone <i>et al.</i> , U.S. Application No. 10/241,596, filed September 12, 2002

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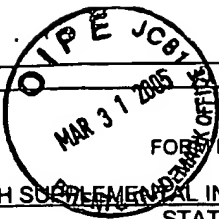
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CMK	AR	19	Copy of Application and Prosecution History for "Methods and Compounds for the Treatment of Mucus Hypersecretion," Quinn <i>et al.</i> , U.S. Application No. 10/633,698, filed August 5, 2003
	AS	19	Shone <i>et al.</i> , "Delivery of Superoxide Dismutase to Neuronal Cells," U.S. Application No. 11/062,471, filed February 22, 2005
CMK	AT	19	Shone <i>et al.</i> , "Recombinant Toxin Fragments," U.S. Patent Application No. 11/077,550, filed March 11, 2005

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	AR	20	Shone et al., "Recombinant Toxin Fragments," U.S. Patent Application No. 10/527,411, filed March 11, 2005 <i>not available</i>
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	APPLICANT To be assigned	
	FILING DATE Herewith	GROUP To be assigned <u>1653</u>

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<u>CMK</u>	AA1	4,873,346	10/10/1989	Anderson	548	157	09/20/1985
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<u>CMK</u>	AL1	WO 95/17904	07/06/1995	WIPO			Yes No
<u>I</u>	AM1	EP 0 673 938 A2	09/27/1995	Europe			Yes No
<u>I</u>	AN1	WO 95/28171	10/26/1995	WIPO			Yes No
<u>I</u>	AO1	WO 95/33850	12/14/1995	WIPO			Yes No
<u>CMK</u>	AP1	WO 96/33273	10/24/1996	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<u>CMK</u>	AR	<u>1</u>	Fisher, C.E., et al., "Genetic construction and properties of a diphtheria toxin-related substance P fusion protein: In vitro destruction of cells bearing substance P receptors," Proc. Natl. Acad. Sci. USA 93:7341-7345, National Academy of Sciences USA (1996)
	AS	<u>1</u>	Hambleton, P., "Clostridium botulinum toxins: a general review of involvement in disease, structure, mode of action and preparation for clinical use," J. Neurol. 239:16-20, Springer-Verlag (1992)
<u>CMK</u>	AT	<u>1</u>	Kurazono, H., et al., "Minimal Essential Domains Specifying Toxicity of the Light Chains of Tetanus Toxin and Botulinum Neurotoxin Type A," J. Biol. Chem. 267:14721-14729, American Society for Biochemistry and Molecular Biology, Inc. (1992)

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	FILING DATE Herewith	GROUP To be assigned 1653

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
CMK	AL2	WO 97/13410	04/17/1997	WIPO			Yes No
	AM2	WO 98/07684	02/26/1998	WIPO			Yes No
CMK	AN2	WO 98/07864	02/26/1998	WIPO			Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CMK	AR	2	Nishiki, T., et al., "Identification of Protein Receptor for Clostridium botulinum Type B Neurotoxin in Rat Brain Synaptosomes," J. Biol. Chem. 269:10498-10503, American Society for Biochemistry and Molecular Biology, Inc. (1994)
	AS	2	Nishiki, T., et al., "The high-affinity binding of Clostridium botulinum type B neurotoxin to synaptotagmin II associated with gangliosides G _{T1b} /G _{D1a} ," FEBS Lett. 378:253-257, Federation of European Biochemical Societies (1996)
CMK	AT	2	Poulain, B., et al., "Inhibition of transmitter release by botulinum neurotoxin A. Contributions of various fragments to the intoxication process," Eur. J. Biochem. 185:197-203, Federation of European Biochemical Societies (1989)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
1581.0770001/RWE/BECAPPLICATION NO.
To be assigned

09/29/30

APPLICANT
To be assignedFILING DATE
HerewithGROUP
To be assigned

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

GK	AR	3	Zhou, L., et al., "Expression and purification of the Light Chain of Botulinum Neurotoxin A: A Single Mutation Abolishes Its Cleavage of SNAP-25 and Neurotoxicity after Reconstitution with the Heavy Chain," <i>Biochemistry</i> 34:15175-15181, American Chemical Society (1995)
CK	AS	3	International Search Report for PCT/GB99/02806, mailed March 16, 2000
	AT		

EXAMINER

DATE CONSIDERED

5/5/05

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FORM PTO-1449

FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
1581.0770001/RWE/BECAPPLICATION NO.
To be assigned

09/529/130

APPLICANT
Quinn et al.FILING DATE
HerewithGROUP
To be assigned

1653

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
CMK	AB1	5,989,545	11/23/1999	Poster et al.	424	183.1	§ 102(e) Date: 01/12/1998
	AC						
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
CMK	AO2	WO 94/21300	09/29/1994	WIPO			Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR		
	AS		
CMK	AT	3	Bizzini, B., "Investigation of the Mode of Action of Tetanus Toxin with the Aid of Hybrid Molecules Consisting in Part of Tetanus Toxin-Derived Fragments," Bacterial Protein Toxins, pp. 427-434, Academic Press London (1984).

EXAMINER

DATE CONSIDERED

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FORM PTO-1449

FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
1581.0770001/RWE/BECAPPLICATION NO.
To be assigned

09/529,130

APPLICANT
Quinn et al.FILING DATE
HerewithGROUP
To be assigned

1653

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CK	AR	4	Blaustein, R.O. et al., "The N-terminal half of the heavy chain of botulinum type A neurotoxin forms channels in planar phospholipid bilayers," <i>FEBS Letters</i> 226:115-120, Elsevier Science Publishers B.V. (Biomedical Division) (December 1987).
/	AS	4	Hay, D.W.P., "Chronic obstructive pulmonary disease: emerging therapies," <i>Current Opinion in Chemical Biology</i> 4:412-419, Elsevier Science Ltd. (August 2000).
CMK	AT	4	Madison, J.M., and Irwin, R.S., "Chronic obstructive pulmonary disease," <i>The Lancet</i> 352:467-473, The Lancet Publishing Group (August 8, 1998).

EXAMINER

DATE CONSIDERED

5/5/05

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FORM PTO-1449 FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 1581.0770001/RWE/BEC		APPLICATION NO. To be assigned 09/529,130	
				APPLICANT Quinn et al.			
				FILING DATE Herewith		GROUP To be assigned 1653	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
CYK	AR	5	Rogers, D.F., "Motor control of airway goblet cells and glands," <i>Respiration Physiology</i> 125:129-144, Elsevier Science B.V. (March 2001).
/	AS	5	Rogers, D.F., "Pharmacological regulation of the neuronal control of airway mucus secretion," <i>Current Opinion in Pharmacology</i> 2:249-255, Elsevier Science Ltd. (June 2002).
CYK	AT	5	Shone, C.C. et al., "A 50-kDa fragment from the NH ₂ -terminus of the heavy subunit of <i>Clostridium botulinum</i> type A neurotoxin forms channels in lipid vesicles," <i>Eur. J. Biochem.</i> 167:175-180, Springer International (August 17, 1987).

EXAMINER 	DATE CONSIDERED 5/5/05
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 1581.0770001/RWE/BEC		APPLICATION NO. To be assigned <i>09/529,130</i>	
APPLICANT Quinn et al.				FILING DATE Herewith		GROUP To be assigned <i>1653</i>	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA1						
	AB1						
<i>CHK</i>	AC1	4,792,447	12/20/1988	Uhr et al.	424	85.91	05/27/1983
<i>CHK</i>	AD1	5,668,255	09/16/1997	Murphy, J.R.	530	350	08/04/1993
	AE1						
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	AK1						

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP2	DE 197 35 105 A1		Germany			Abstract/Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
<i>CHK</i>	AR	6	Database - 12, English language abstract of DE 197 35 105 A1, at esp@cenet.
<i>CHK</i>	AS	6	Dialog File 351, Accession No. 2000-072332, Derwent WPI English language abstract for WO 99/58571.
	AT		

EXAMINER <i>CHK</i>	DATE CONSIDERED <i>5/5/05</i>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449
SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
 1581.0770001/RWE/BEC

APPLICATION NO.
 To be assigned

07/529/130

APPLICANT
 Quinn et al.

FILING DATE
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 To be assigned

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
CMK	AL3	WO 91/09871	07/11/1991	WIPO			Yes No
	AM3	WO 92/15327	09/17/1992	WIPO			Yes No
	AN3	WO 93/04191	03/04/1993	WIPO			Yes No
	AO3	WO 93/15766	08/19/1993	WIPO			Yes No
CMK	AP3	WO 96/12802	05/02/1996	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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EXAMINER

DATE CONSIDERED

5/5/05

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FORM PTO-1449

**SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**ATTY. DOCKET NO.
1581.0770001/RWE/BECAPPLICATION NO.
To be assigned

08/29/13

APPLICANT
Quinn et al.FILING DATE
HerewithGROUP
To be assigned

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
CMK	AL4	WO 98/08540	03/05/1998	WIPO			Yes No
	AM4	WO 99/58571	11/18/1999	WIPO			Yes No
CMK	AN4	WO 00/04926	02/03/2000	WIPO			Yes No
	AO4						Yes No
	AP4						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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EXAMINER

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5/5/05

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FORM PTO-1449 THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1581.0770001/RWE/BEC	APPLICATION NO. To be assigned <i>29/29/30</i>
	APPLICANT Quinn et al.	
	FILING DATE Herewith	GROUP To be assigned <i>1653</i>

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							Yes No
	AL						Yes No
	AM						Yes No
	AN						Yes No
<i>CMK</i>	AO4	WO 00/10598	03/02/2000	WIPO			Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR		
	AS		
<i>CMK</i>	AT	<u>6</u>	Kielian, M., et al., Mechanisms of Mutations Inhibiting Fusion and Infection by Semliki Forest Virus," J. Cell Biol. 134:863-872, The Rockefeller University Press (1996)

EXAMINER

CMK

DATE CONSIDERED

5/5/05

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FORM PTO-1449 <u>THIRD SUPPLEMENTAL</u> <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 1581.0770001/RWE/BEC	APPLICATION NO. To be assigned <u>09/29/30</u>
	APPLICANT Quinn et al.	
	FILING DATE Herewith	GROUP To be assigned <u>1653</u>

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							Yes No
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<u>CMK</u>	AR	2	Kihara, A., and Pastan, I., "Analysis of Sequences Required for the Cytotoxic Action of a Chimeric Toxin Composed of Pseudomonas Exotoxin and Transforming Growth Factor α ," Bioconjug. Chem. 5:532-538, American Chemical Society (1994)
<u>/</u>	AS	2	London, E., "Diphtheria toxin: membrane interaction and membrane translocation," Biochim. Biophys. Acta 1113:25-51, Elsevier Science Publishers B.V. (1992)
<u>CMK</u>	AT	2	Murata, M., et al., "pH-Dependent Membrane Fusion and Vesiculation of Phospholipid Large Unilamellar Vesicles Induced by Amphiphilic Anionic and Cationic Peptides," Biochemistry 31:1986-1992, American Chemical Society (1992)

EXAMINER

CMK

DATE CONSIDERED

9/5/05

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FORM PTO-1449
THIRD SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
 1581.0770001/RWE/BEC

APPLICATION NO.
 To be assigned *08/29/30*

APPLICANT
 Quinn et al.

FILING DATE
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GROUP
 To be assigned *1659*

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							Yes
							No
	AL						Yes
							No
	AM						Yes
							No
	AN						Yes
							No
	AO						Yes
							No
	AP						Yes
							No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>CHK</i>	AR	8	Picard-Maureau, M., et al., "Foamy Virus Envelope Glycoprotein-Mediated Entry Involves a pH-Dependent Fusion Process," <i>J. Virol.</i> 77:4722-4730, American Society for Microbiology (April 2003)
<i>/</i>	AS	8	Plank, C., et al., "The Influence of Endosome-disruptive Peptides on Gene Transfer Using Synthetic Virus-like Gene Transfer Systems," <i>J. Biol. Chem.</i> 269:12918-12924, The American Society for Biochemistry and Molecular Biology, Inc. (1994)
<i>CHK</i>	AT	8	Prior, T.I., et al., "Translocation Mediated by Domain II of <i>Pseudomonas</i> Exotoxin A: Transport of Barnase into the Cytosol," <i>Biochemistry</i> 31:3555-3559, American Chemical Society (1992)

EXAMINER

DATE CONSIDERED

5/5/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1581.0770001/RWE/BEC	APPLICATION NO. <i>09/09,130</i> To be assigned
	APPLICANT Quinn et al.	
	FILING DATE Herewith	GROUP To be assigned <i>1653</i>

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							Yes
							No
	AL						Yes
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	AM						Yes
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	AN						Yes
							No
	AO						Yes
							No
	AP						Yes
							No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>CMK</i>	AR	2	Seth, S., et al., "Activation of Fusion by the SER Virus P Protein: a Low-pH-Dependent Paramyxovirus Entry Process," <i>J. Virol.</i> 77:6520-6527, American Society for Microbiology (June 2003)
<i> </i>	AS	2	Silverman, J.A., et al., "Mutational Analysis of the Helical Hairpin Region of Diphtheria Toxin Transmembrane Domain," <i>J. Biol. Chem.</i> 269:22524-22532, The American Society for Biochemistry and Molecular Biology, Inc. (1994)
<i>CMK</i>	AT	2	Wagner, B., et al., "Influenza virus hemagglutinin HA-2 N-terminal fusogenic peptides augment gene transfer by transferrin-polylysine-DNA complexes: Toward a synthetic virus-like gene-transfer vehicle," <i>Proc. Natl. Acad. Sci. USA</i> 89:7934-7938, National Academy Press (1992)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

THIRD SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
1581.0770001/RWE/BECAPPLICATION NO.
To be assigned 69/529,130APPLICANT
Quinn et al.FILING DATE
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To be assigned 1657

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							Yes
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	AL						Yes
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	AM						Yes
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	AN						Yes
							No
	AO						Yes
							No
	AP						Yes
							No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CMK	AR	10	Yao, Y., et al., "Membrane fusion activity of vesicular stomatitis virus glycoprotein G is induced by low pH but not by heat or denaturant," Virology 310:319-332, Academic Press (June 2003)
	AS		
	AT		
EXAMINER	CHC/K		DATE CONSIDERED 5/5/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.